

RECEIVED
CENTRAL FAX CENTER

JAN 04 2005

AMENDMENTSIn the Claims

Please amend claims 13-23 as shown herein.

Claims 13-24 are pending and are listed following:

1-12. (canceled)

13. (currently amended) One or more computer readable media comprising computer executable instructions that, when executed, direct a computer to implement a method comprising:

receiving multiple nodes of a program tree as user-selected node inputs, each of the nodes specifying a declaration pointer and an operand pointer to another node;

storing the multiple nodes of the program tree that is a syntax-independent representation of a computer program such that the declaration pointers and the operand pointers interconnect the nodes to form the program tree;

identifying a syntax-independent programming intent represented as a first of the multiple nodes of the program tree ~~node of a data structure;~~

identifying a second ~~node of the data structure~~ of the multiple nodes of the program tree, the second node being referenced from the first node and containing data; and

identifying generating a unique name for code associated with the computer program represented by the syntax-independent programming intent.

1
2 14. (currently amended) One or more computer readable media as
3 recited in claim 13, further comprising computer executable instructions that,
4 when executed, direct the computer to implement the method further comprising
5 executing the ~~code~~ computer program identified by the unique name.

6
7 15. (currently amended) One or more computer readable media as
8 recited in claim 13 wherein the ~~code~~ computer program comprises low level
9 computational constructs.

10
11 16. (currently amended) One or more computer readable media as
12 recited in claim 13 wherein the ~~first node, the second node, and additional~~ multiple
13 ~~nodes of the data-structure~~ program tree comprise a hierarchical tree of nodes that
14 each represent ~~[[a]]~~ the syntax-independent programming intent.

1 **17. (currently amended)** A method of handling data, comprising:
2 receiving multiple nodes of a hierarchical tree that is a syntax-independent
3 representation of a computer program, each of the nodes received as user-selected
4 node inputs that specify a declaration pointer and an operand pointer to another
5 node;

6 storing the multiple nodes as a data structure such that the declaration
7 pointers and the operand pointers interconnect the nodes to form the hierarchical
8 tree;

9 reading a syntax-independent programming intent represented as a first
10 ~~node of a~~ of the multiple nodes of the hierarchical tree;

11 identifying a second ~~node of the multiple nodes~~ of the hierarchical tree, the
12 second node being referenced from the first node and containing data; and

13 ~~identifying generating~~ a unique name for ~~code associated with the computer~~
14 program represented by the syntax-independent programming intent.

15
16 **18. (currently amended)** A method as recited in claim 17 further
17 comprising executing the ~~code~~ computer program identified by the unique name.

18
19 **19. (currently amended)** A method as recited in claim 17 wherein
20 the ~~code~~ computer program comprises low level computational constructs.

20. (currently amended) A method as recited in claim 17 wherein the ~~first node, the second node, and additional~~ multiple nodes comprise the hierarchical tree, and wherein each of the ~~first node, the second node, and the additional~~ multiple nodes ~~each~~ represent a programming intent.

21. (currently amended) One or more computer readable media as recited in claim 13, further comprising computer executable instructions that, when executed, direct the computer configured to maintain the program tree as a data structure that includes is a syntax-independent representation of a program, the data structure comprising:

~~a first node received as an input and~~ the first of the multiple nodes configured for display as a representation of ~~[[a]]~~ the syntax-independent programming intent;

~~a second node~~ the second of the multiple nodes having the data configured for manipulation when implementing the syntax-independent programming intent; and

wherein the first node has a unique identifier of the second node, and the first node uniquely identifies ~~code~~ the computer program for implementing the syntax-independent programming intent.

1 **22. (currently amended)** One or more computer readable media as
2 recited in claim ~~21 wherein one or more additional~~ 13, wherein the multiple nodes
3 of the program tree comprise a hierarchical tree of the multiple nodes that are ~~each~~
4 ~~received as an input and~~ configured for display as a representation of ~~[[a]]~~ the
5 syntax-independent programming intent, and wherein each of the ~~one or more~~
6 ~~additional~~ multiple nodes uniquely identify ~~each~~ the computer program for
7 implementing the ~~respective~~ syntax-independent programming intent.

8
9 **23. (currently amended)** One or more computer readable media as
10 recited in claim ~~22~~ 13 wherein the ~~one or more additional~~ multiple nodes comprise
11 nodes selected from multiple different computational constructs.

12
13 **24. (previously presented)** One or more computer readable media as
14 recited in claim 21, wherein the data structure further comprises:
15 a node type tag and unique identifier pointing to implementation code;
16 an optional data section; and
17 a list of offspring of the node identified by the node type tag and a list of
18 pointers to further nodes.